



Mission

Enable the safe delivery of the parachutist, weapon systems, and equipment to the drop zone in winds up to 13 knots.

Description and Specifications

The static line-deployed **T-10D Parachute** is used for combat mass assault airborne operations and training. Depending upon air density and the jumper's total weight, the average rate of descent for the parachute is 22 feet per second; total suspended weight limitation is 360 pounds. The parachute is deployed using either a 15- or 20-foot static line, allowing the parachutist to be delivered by either C-130 or C-17 U.S. Air Force aircraft.

The T-10D main parachute is a parabolic shape and has a nominal diameter of 35 feet, 30 suspension lines, and a mesh anti-inversion net.

The T-10D Parachute assembly consists of five components: pack tray, troop harness, deployment bag, riser, and canopy. The parachute has a combined service life of 16.5 years: service life is 12 years and shelf life is 4.5 years. The T-10D Parachute must be repacked every 120 days. The T-10D Parachute is made of nylon materials commonly used in the manufacturing of parachutes.

The **Modified Improved Reserve Parachute System (MIRPS)** includes a standard T-10 reserve parachute canopy assembly integrated with a commercial deployment assistance device, composed of a bridle line, pilot parachute, and spring. The pack tray includes a line bag for stowing suspension lines and an inner staging flap that holds the reserve parachute until sufficient tension is achieved through the bridle/pilot parachute assembly during deployment. The **MIRPS** pack tray is slightly larger than that of the T-10 reserve pack tray so it accommodates a larger pilot chute, spring, and bridle. The pack tray has a yellow stripe along the rip cord protector flap and is made of nylon textile materials commonly used to make parachute systems.